Internation I Application No PCT/CA2004/001044

			1 C17 CA20047 001044			
A. CLASSII	FICATION OF SUBJECT MATTER H01M8/02	•				
According to	o International Patent Classification (IPC) or to both national class	ification and IPC				
B. FIELDS	SEARCHED					
Minimum do	ecumentation searched (classification system followed by classific HOIM	cation symbols)				
Documentation	n searched other than minimum documentation to the extent the	hat such documents are inclu	dod in the fields searched			
	ata base consulted during the international search (name of data ernal , WPI Data, PAJ	base and, where practical,	scarch terms used)			
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document with indication, where appropriate, of the	c relevant passages	Relevant to claim No			
X	WO 02/44103 A (FORSCHUNGSZENTRUM GMBH; TIETZ, FRANK; OUNGEN, WOI MESCHK) 6 June 2002 (2002-06-06)	LFGANG;	1-5			
Y	page 5, lines 1,2 page 6, lines 10-14 example 3	•	6,7			
Y	WO 01/280/4 A (GLOBAL THERMOELECTRIC INC) 6,7 19 April 2001 (2001-04-19) example 1					
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X Furth	ner documents are listed in the continuation of box C	X Patent family 1	nembers are listed in annex			
"A" document consider "E" carlier of filing d "L" document which citation	document but published on or after the international	or priority date and cited to understand invention 1X* document of particu cannot be consider involve an inventiv 4V document of particu cannot be consider be consider	ed novel or cannot be considered to e step when the document is taken alone lar relevance, the claimed invention			
Other 1	means at published prior to the international filing date but	ments, such combi	nation being obvious to a person skilled			
	actual completion of the international search	"&" document member Date of mailing of t	of the same patent family			
	1 November 2005	San S. Manning Off	01 12. 2005			
Name and r	mailing address of the ISA European Patent Office, P B 5818 Patentlaan 2	Authorized officer				
	NL - 2280 HV Rijswijk Tel (131-70) 340-2040 Tx 31 651 epo nl, Fax (131-70) 340-3016	GONZAL	EZ-CUENCA, M			

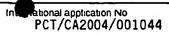
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ategory	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No			
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4	DE 196 27 504 Cl (SIEMENS AG, 80333 MUENCHEN, DE) 23 October 1997 (1997-10-23) column 3, lines 27-46 column 4, lines 30-47	8-15			
4	DE 196 09 133 Cl (SIEMENS AG, 80333 MUENCHEN, DE) 4 September 1997 (1997-09-04) column 3, lines 37-54 claims 1-6	8-15			
A	wo 01/04981 A (SIEMENS AKTIENGESELLSCHAFT; JANSING, THOMAS) 18 January 2001 (2001-01-18) page 6, lines 11-37 claims 1-8	8-15			
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 04, 2 April 2003 (2003-04-02) & JP 2002 358980 A (MITSUBISHI MATERIALS CORP), 13 December 2002 (2002-12-13) abstract	8-15			

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 J Р	2002358980	A	13-12-2002	NONE			



Box 11 Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons
Claims Nos because they relate to subject matter not required to be searched by this Authority, namely
Claims Nos because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically
3 Claims Nos because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)
Box m Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows
see additi onal sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims
2 As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee
3 As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos
No required additional search fees were timely paid by the applicant Consequently, this International Search Report is restricted to the invention first mentioned in the claims, it is covered by claims Nos
Remark on Protest The additional search fees were accompanied by the applicant's protest No protest accompanied the payment of additional search fees

FURTHER INFORMATION CONTINUED FROM PCT ASA/ 210

This Internati onal Searching Authority found multiple (groups of) inventions in this internati onal application, as follows:

1. claims: 1-7

A fuel cel 1 stack comprising a plural ity of planar interleaved fuel cel 1s and interconnects comprising a contact layer disposed between at least one electrode of a fuel cel 1 and an adjacent interconnect, the contact layer comprising a perovskite having the formula AB03 where: (a) A is a doped or undoped rare earth metal or lanthanide; (b) B is a doped or undoped transiti on metal; and (c) wherein the perovskite is electrical ly conductive and has a coefficient of thermal expansi on which closely matches that of the fuel cel 1

2. claims: 8-15

A fuel cel 1 stack compri sing a plural ity of planar interleaved fuel cel 1s and interconnects and compri sing a contact layer disposed between at least one electrode of a fuel cel 1 and an adjacent interconnect, the contact layer comprising at least two outer layers and a central layer of electrical ly conducti ve materi als, wherein the central layer comprises a stress relief layer comprised of materi al selected from the group consisting of: (a) particles of a conducti ve ceramic materi al which are coarser than in the outer layers; (b) particles of a conducti ve ceramic materi al which has signi ficantly different sintering characteri stics than the outer layers; and (c) a porous metal lic materi al